

A1 495), APFPNGHVGAGGSGLPPPPA (SEQ ID NO: 496), LLPPPPALCGASACDVSVRV (SEQ ID NO: 497), DVSVRVVVGEPTTEARVVPGR (SEQ ID NO: 498), RVVPGRGICLDLAILDSAFL (SEQ ID NO: 499), LDSAFLLSQVAPSLFMGSIV (SEQ ID NO: 500), FMGSIVQLSQSVTAYMVSA (SEQ ID NO: 501).

Please replace the paragraph beginning at page 10, line 11, with the following rewritten paragraph:

A2 Figure 9 is a schematic representation of the P501S protein (SEQ ID NO: 113) showing the location of transmembrane domains and predicted intracellular and extracellular domains.

Please replace the paragraph beginning at page 10, line 16, with the following rewritten paragraph:

A3 Figure 11 shows the results of an ELISA assay to determine the specificity of rabbit polyclonal antisera raised against P501S. The depicted sequence corresponding to peptide P501S 306-320 is set forth in SEQ ID NO: 519 and the sequence corresponding to P501S 296-320 is set forth in SEQ ID NO: 520.

In the Claims:

Please cancel non-elected claims 2, 5-10 and 12-17.

Please amend claims 1 and 11, to read as follows:

A4 1. (Amended) An isolated polynucleotide encoding at least an immunogenic portion of the polypeptide encoded by SEQ ID NO: 110.

A5 11. (Amended) A composition comprising a first component selected from the group consisting of physiologically acceptable carriers and immunostimulants, and a second component selected from the group consisting of a polynucleotide according to claim 1 or an expression vector according to claim 3.

Please add new claims 18-36, as follows:

A6 18. (New) An expression vector according to claim 3, wherein the vector is a viral vector.